

Notice of Allowability

Application No.

10/772,698

Examiner

Farhan M. Syed

Applicant(s)

WU ET AL.

Art Unit

2165

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/24/07.
2. ☒ The allowed claim(s) is/are 2,5,7,10-12,18,23 and 29-34.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

JEFFREY GAFFIN

DETAILED ACTION

1. Claims 1-34 are pending.
2. Examiner acknowledges the cancellation of claims 1, 3-4, 6, 8-9, 13-17, 19, 21, and 24-28.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jack Richards (Reg. No. 53,514) on 04 October 2007.

The application has been amended as follows:

Claim 18 (Currently Amended): An article comprising a machine-accessible storage medium containing instructions that when executed enable a system to:

store method metadata, which includes a cookie having a bit pattern non-compliant with an instruction set architecture, at one of a first location, a second location, or a third location of instruction code to be located in an instruction cache of a mobile platform device, the instruction code portion to be later searched for the method metadata based on the first location and, if the metadata is not located, based on the second location and, if the metadata is still not located, based on the third location;

wherein the instruction code includes a first N-aligned address upon which the first location is based, a second N-aligned address, which is located after the first N-aligned address and upon which the second location is based, and a third N-aligned address, which is located after the second N-aligned address and upon which the third location is based, and where $N=2^x$ and x is an integer.

Claim 20 (Canceled).

Claim 22 (Canceled).

Allowable Subject Matter

4. Claims 2, 5, 7, 10-12, 18, 23, and 29-34 are allowed over the prior art of record.

Reason for Allowance

5. The following is an examiner's statement for reasons for allowance:

Regarding independent claim 29, Applicant's particular methods comprising: locating compiled instruction code in an instruction cache of a mobile platform device, the instruction code including a first N-aligned address, a second N-aligned address located immediately after the first N-aligned address, and a third N-aligned address located immediately after the second N-aligned address; wherein $N=2^x$ and x is an integer; storing metadata at one of a first location, a second location, or a third location; the first location being based on the first N-aligned address, the second location being

based on the second N-aligned address, the third location being based on the third N-aligned address, wherein the metadata comprises a bundle that includes a cookie and method information, the bundle having a first bundle size and the cookie having a bit pattern non-compliant with an instruction set architecture; confirming an instruction pointer points to a valid address included in the instruction code; searching for the metadata at the first location; if the metadata is still not located, searching for the metadata at the second location; and if the metadata is still not located, searching for the metadata at the third location; wherein, to expedite the searching process, searching for the metadata is limited to searching only in the instruction cache in combination with other limitations of the claims, was not disclosed by, would not have been obvious over, nor would have been fairly suggested by the prior art of record.

The dependent claims, being further limiting to the independent claims, definite and enabled by the specification are also allowed.

Regarding independent claim 18, Applicant's particular article comprising a machine-accessible storage medium containing instructions that when executed enable a system to: store method metadata, which includes a cookie having a bit pattern non-compliant with an instruction set architecture, at one of a first location, a second location, or a third location of instruction code to be located in an instruction cache of a mobile platform device, the instruction code portion to be later searched for the method metadata based on the first location and, if the metadata is not located, based on the

second location and, if the metadata is still not located, based on the third location; wherein the instruction code includes a first N-aligned address upon which the first location is based, a second N-aligned address, which is located after the first N-aligned address and upon which the second location is based, and a third N-aligned address, which is located after the second N-aligned address and upon which the third location is based, and where $N=2^x$ and x is an integer in combination with other limitations of the claims, was not disclosed by, would not have been obvious over, nor would have been fairly suggested by the prior art of record.

The dependent claims, being further limiting to the independent claims, definite and enabled by the specification are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Farhan M. Syed whose telephone number is 571-272-7191. The examiner can normally be reached on 8:30AM-5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on 571-272-4146. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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